

LAND PORT SYSTEM AND METHOD FOR FUEL CELL VEHICLES

Abstract of the Disclosure

5 The present invention provides a method and system for operating an urban infrastructure of land ports. This infrastructure includes Truck Terminals that physically provide the land port service; a Central Scheduling Agency that transacts and dispatches pick ups and deliveries; a Land Port Credit Exchange that trades land port delivery credits between heavy duty diesel truck tractor (HDDT) owners; and a Government Fee Collection Agency. Land ports are adapted truck terminals located near transportation arteries at the perimeters of urban areas, that have been suitably
10 configured to exchange trailer loads between HDDTs and zero emission hydrogen fuel cell vehicles (ZEVs). The ZEVs ferry trailer loads between land ports and the inner city, thereby causing a reduction in the vehicle miles traveled by HDDTs within dense urban areas. This reduces the inner city emissions of toxic diesel exhaust, mitigating damage both to the environment and to human health.